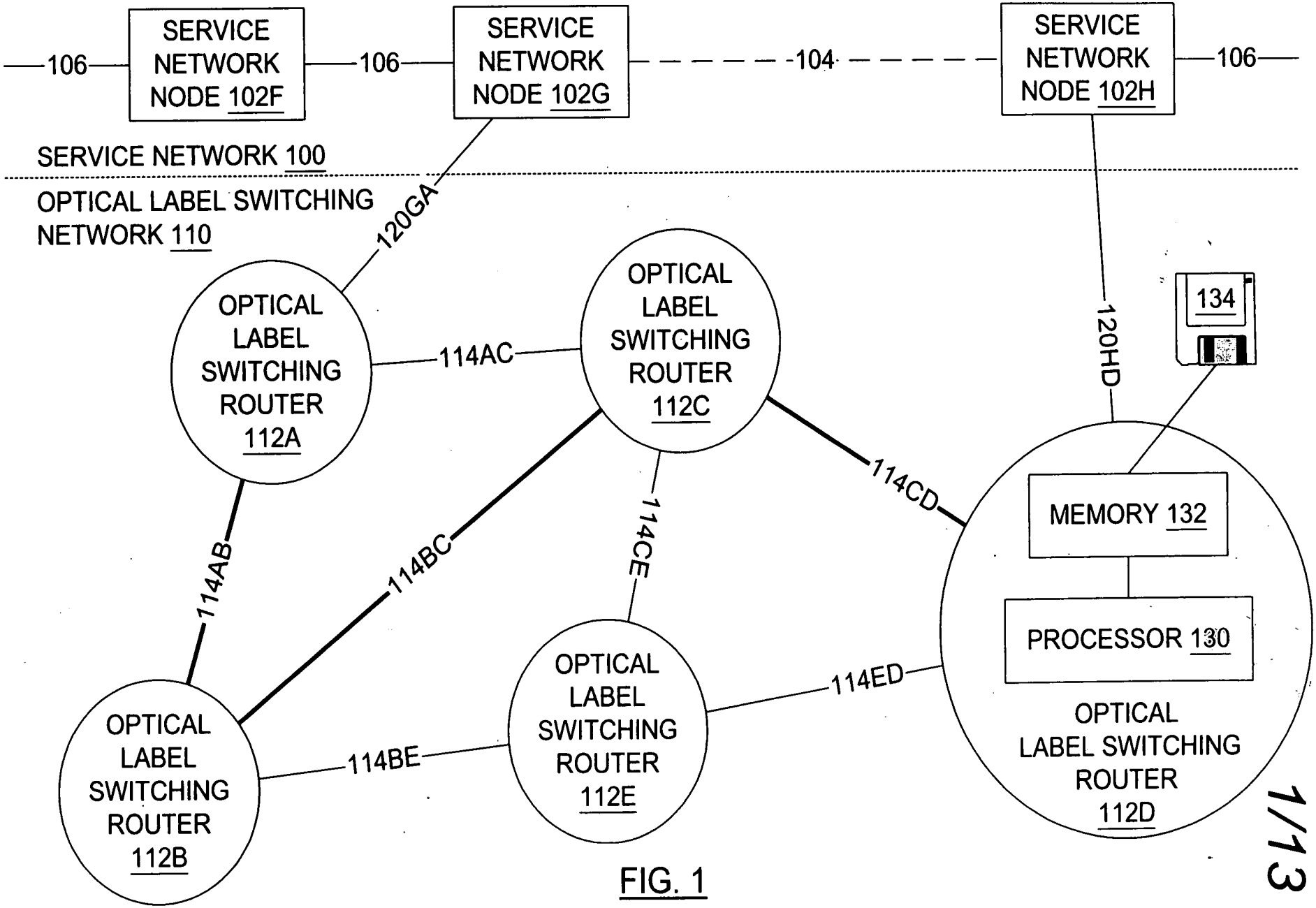
SERVICE NETWORK NODE 102F
SERVICE NETWORK NODE 102G
SERVICE NETWORK NODE 102H
106
106
104
106
SERVICE NETWORK 100
OPTICAL LABEL SWITCHING NETWORK 110
120GA
120HD
134
OPTICAL LABEL SWITCHING ROUTER 112A
OPTICAL LABEL SWITCHING ROUTER 112C
114AC
114AB
114BC
114CE
114CD
MEMORY 132
PROCESSOR 130
OPTICAL LABEL SWITCHING ROUTER 112D
OPTICAL LABEL SWITCHING ROUTER 112B
OPTICAL LABEL SWITCHING ROUTER 112E
114BE
114ED

FIG. 1

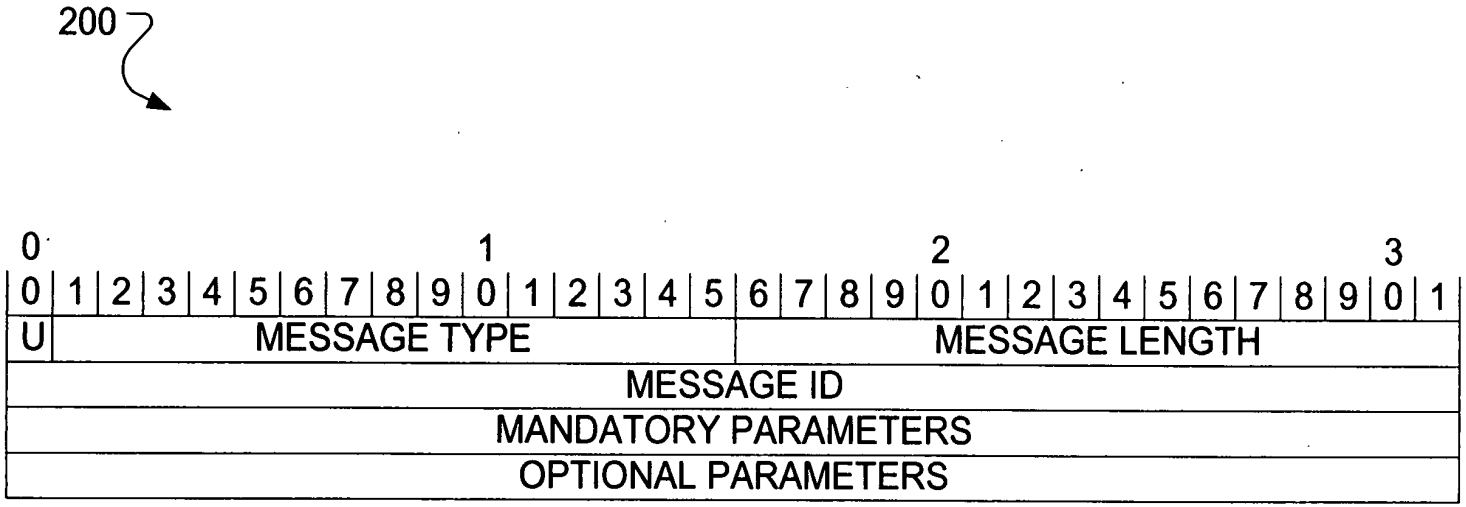
200
0
1
2
3
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
U
MESSAGE TYPE
MESSAGE LENGTH
MESSAGE ID
MANDATORY PARAMETERS
OPTIONAL PARAMETERS

FIG. 2

SUBSTITUTE SHEET (RULE 26)

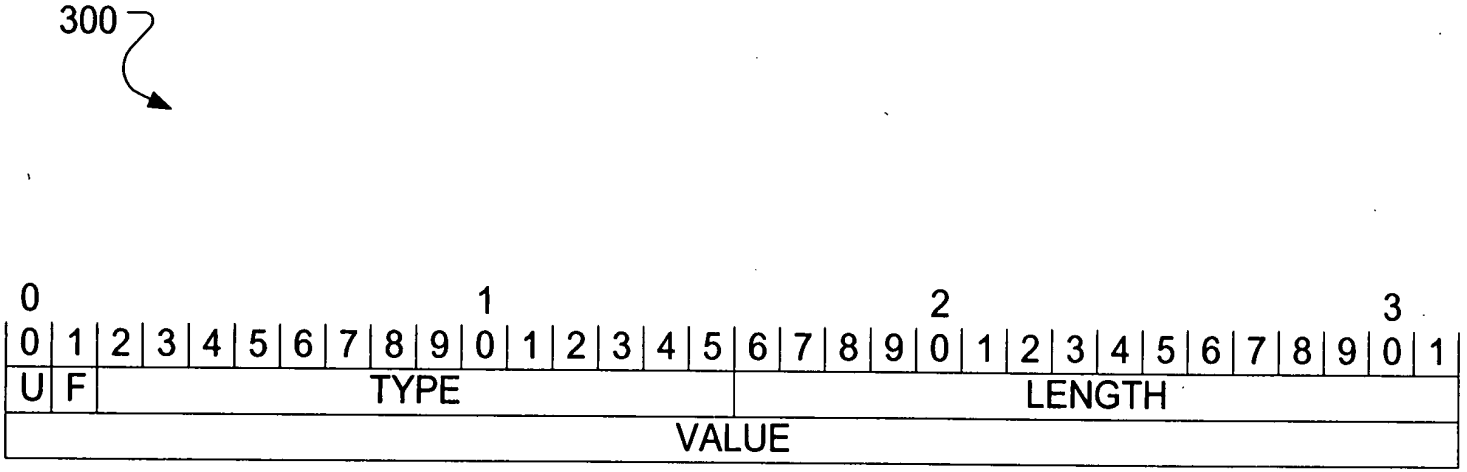

FIG. 3

SUBSTITUTE SHEET (RULE 26)

0		1																													
0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1
U	F	TYPE = OPTICAL LABEL														LENGTH															
VALUE = LABEL COMPONENT 1																															
VALUE = LABEL COMPONENT 2																															
...																															
VALUE = LABEL COMPONENT n																															

FIG. 4

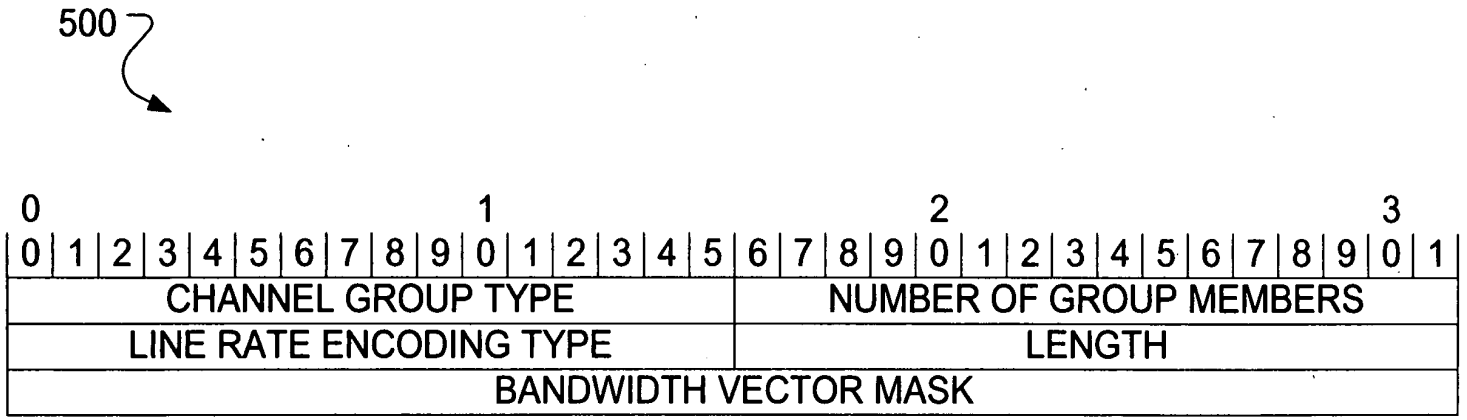
500
0
1
2
3
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
CHANNEL GROUP TYPE
NUMBER OF GROUP MEMBERS
LINE RATE ENCODING TYPE
LENGTH
BANDWIDTH VECTOR MASK

FIG. 5

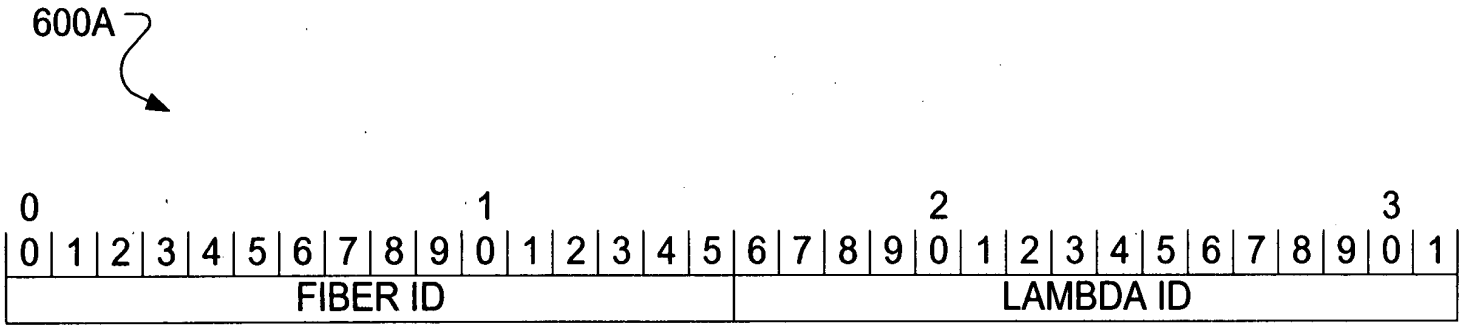
600A
0
1
2
3
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
FIBER ID
LAMBDA ID

FIG. 6A

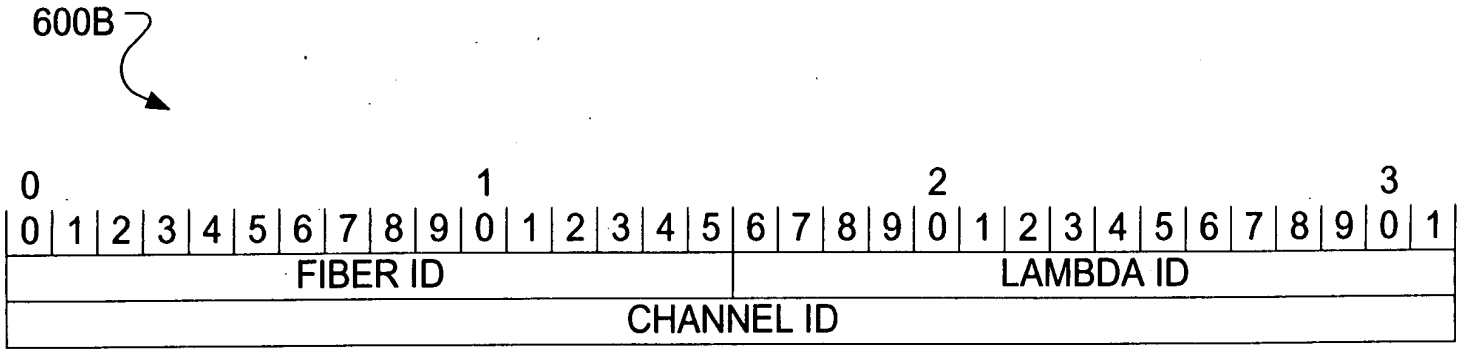
600B
0
1
2
3
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
FIBER ID
LAMBDA ID
CHANNEL ID

FIG. 6B

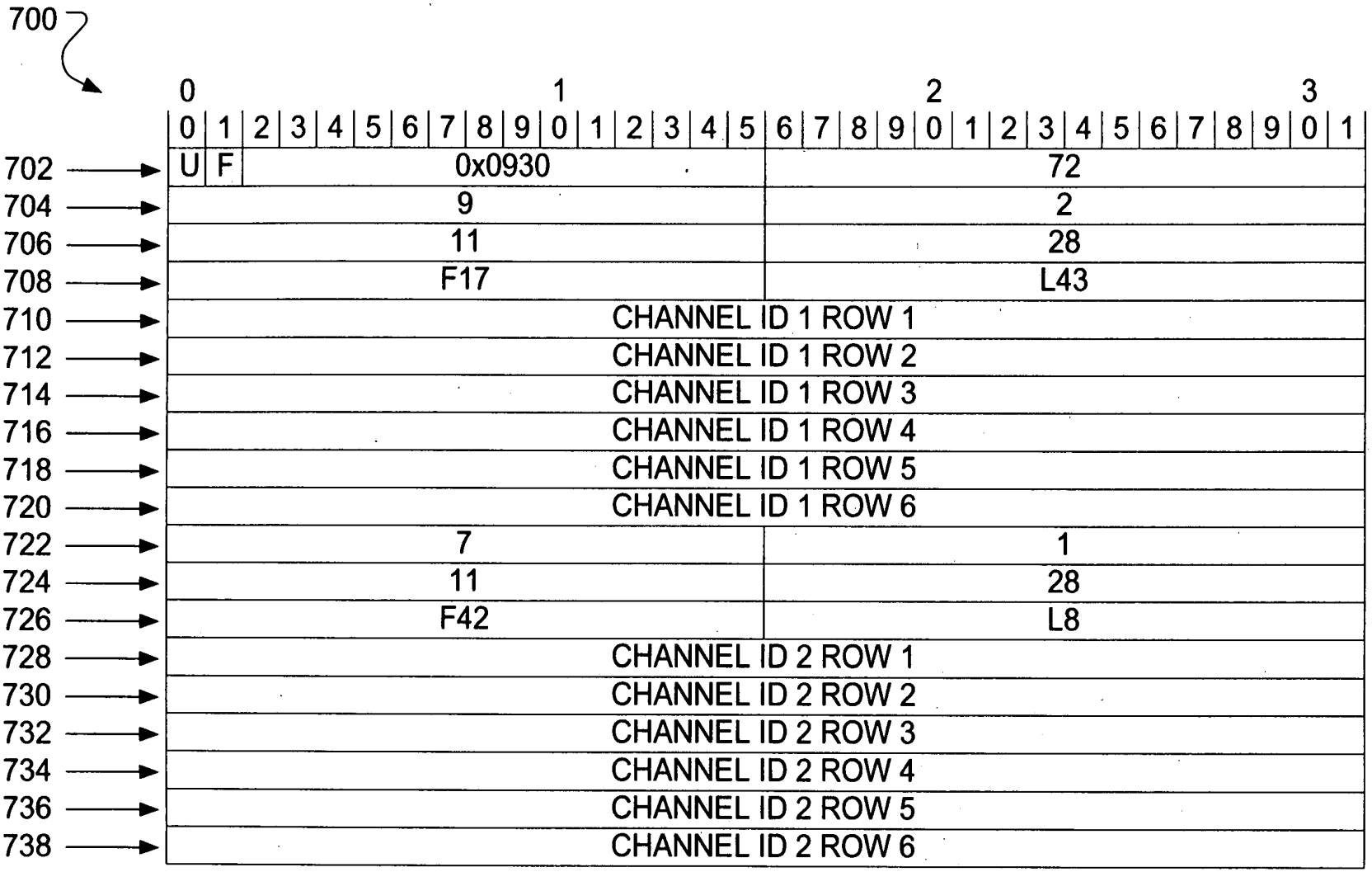
700
0
1
2
3
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
ROW 702
U F 0x0930 72
ROW 704
9 2
ROW 706
11 28
ROW 708
F17 L43
ROW 710
CHANNEL ID 1 ROW 1
ROW 712
CHANNEL ID 1 ROW 2
ROW 714
CHANNEL ID 1 ROW 3
ROW 716
CHANNEL ID 1 ROW 4
ROW 718
CHANNEL ID 1 ROW 5
ROW 720
CHANNEL ID 1 ROW 6
ROW 722
7 1
ROW 724
11 28
ROW 726
F42 L8
ROW 728
CHANNEL ID 2 ROW 1
ROW 730
CHANNEL ID 2 ROW 2
ROW 732
CHANNEL ID 2 ROW 3
ROW 734
CHANNEL ID 2 ROW 4
ROW 736
CHANNEL ID 2 ROW 5
ROW 738
CHANNEL ID 2 ROW 6

FIG. 7

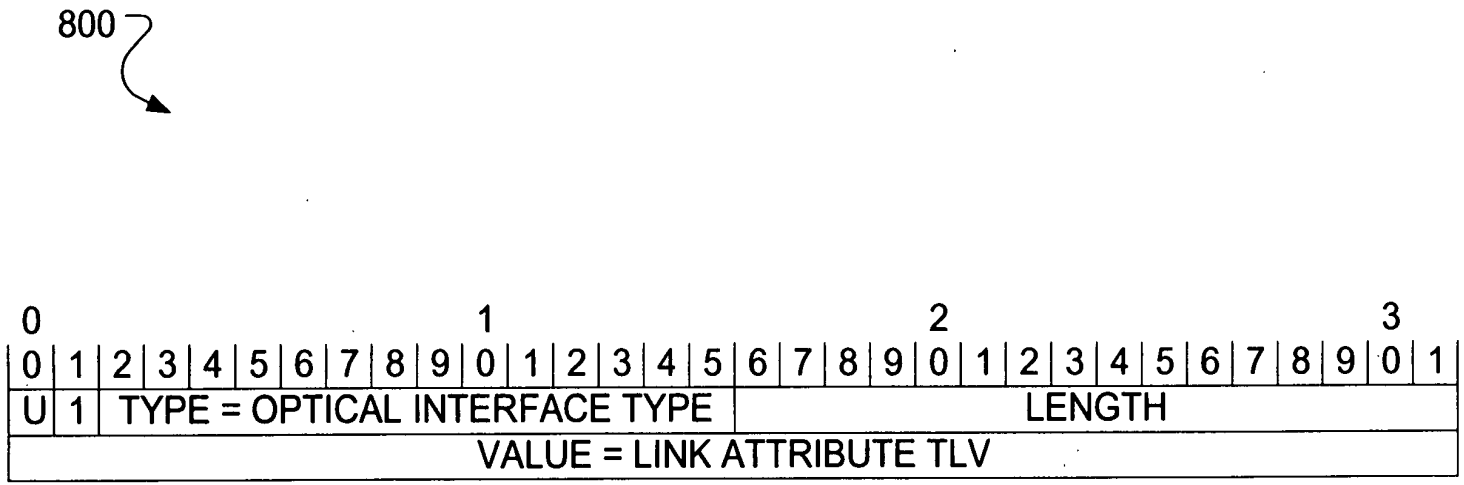
800
0
1
2
3
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
U 1 TYPE = OPTICAL INTERFACE TYPE
LENGTH
VALUE = LINK ATTRIBUTE TLV

FIG. 8

SUBSTITUTE SHEET (RULE 26)

900

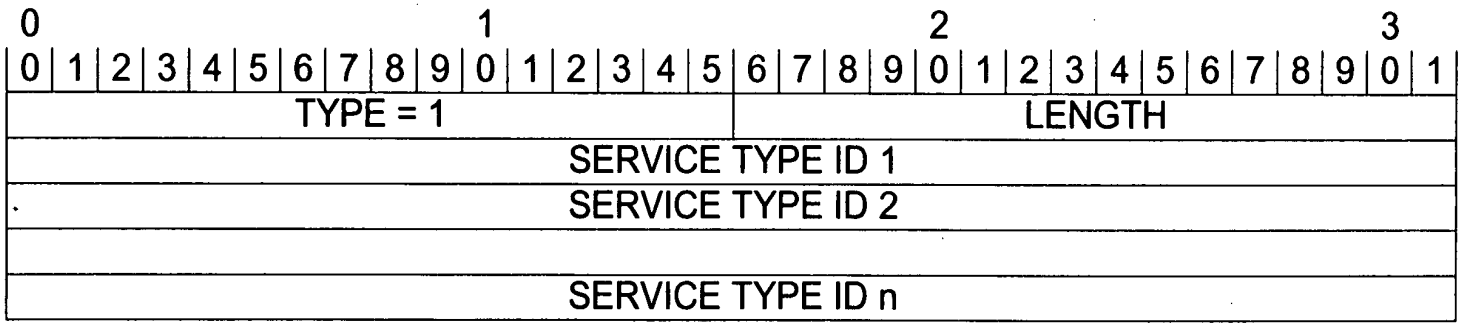

FIG. 9

SUBSTITUTE SHEET (RULE 26)

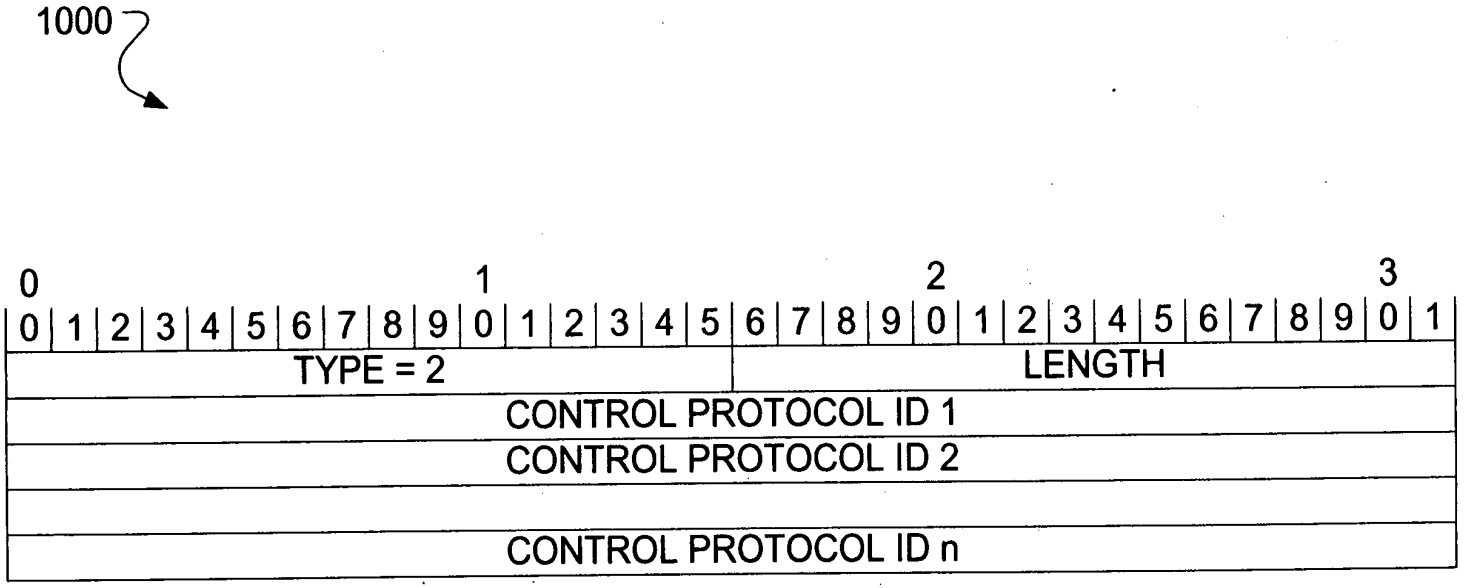

FIG. 10

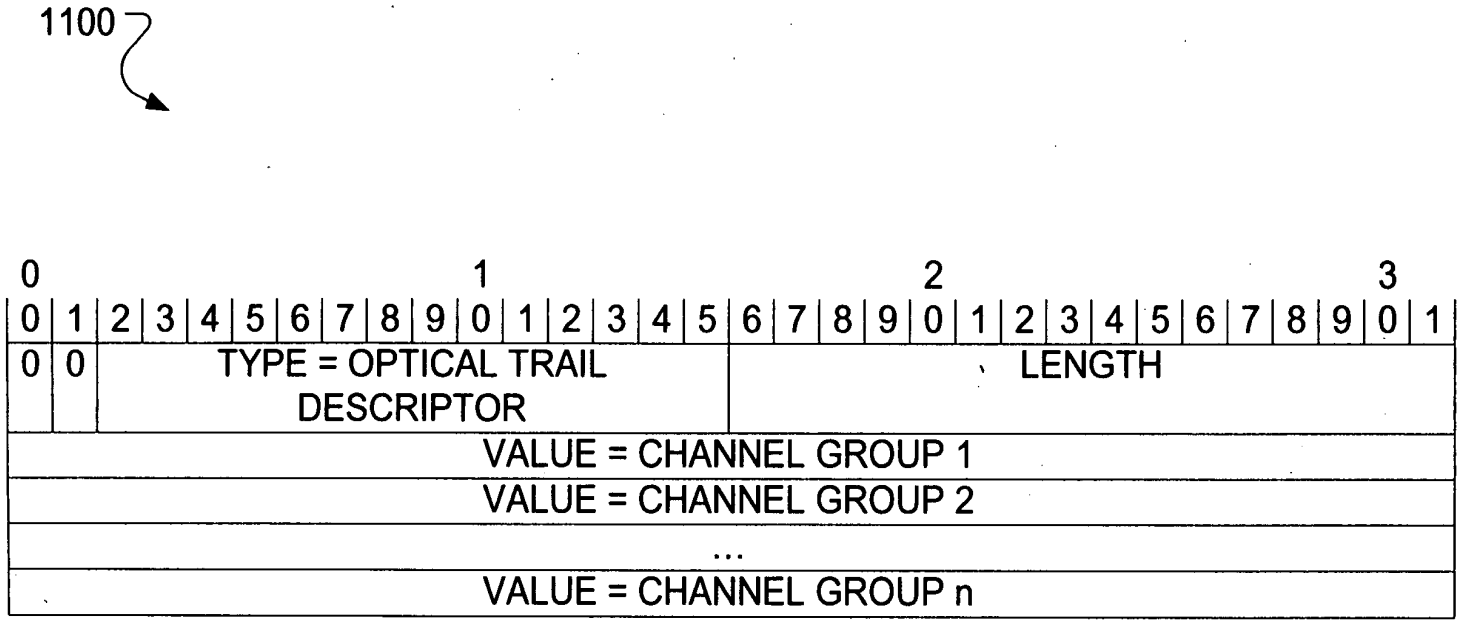
1100
0
1
2
3
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
0 0
TYPE = OPTICAL TRAIL DESCRIPTOR
LENGTH
VALUE = CHANNEL GROUP 1
VALUE = CHANNEL GROUP 2
...
VALUE = CHANNEL GROUP n

FIG. 11

09020* 24FT960

1200

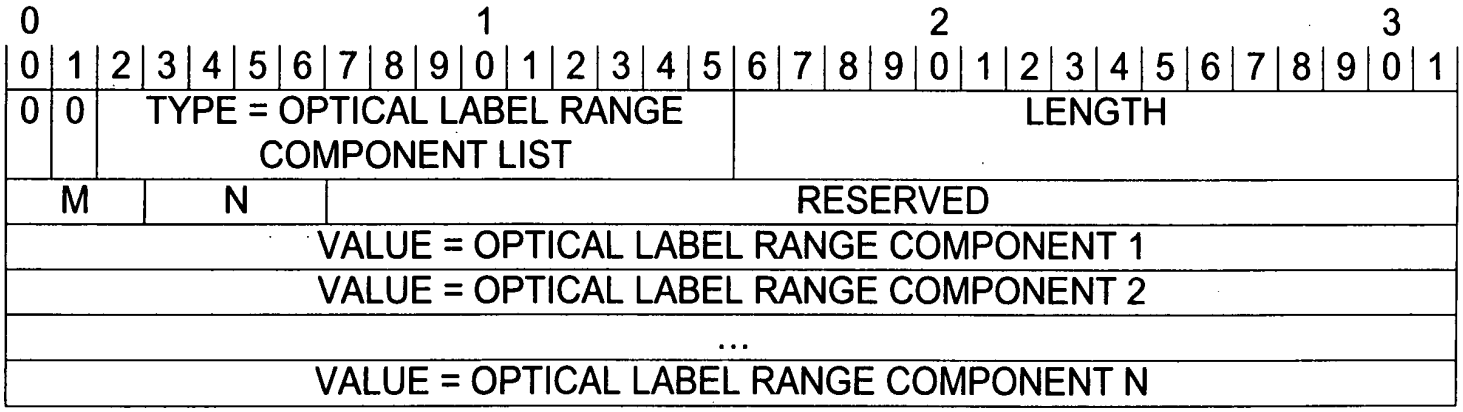

FIG. 12

09902U 24FT960

1300

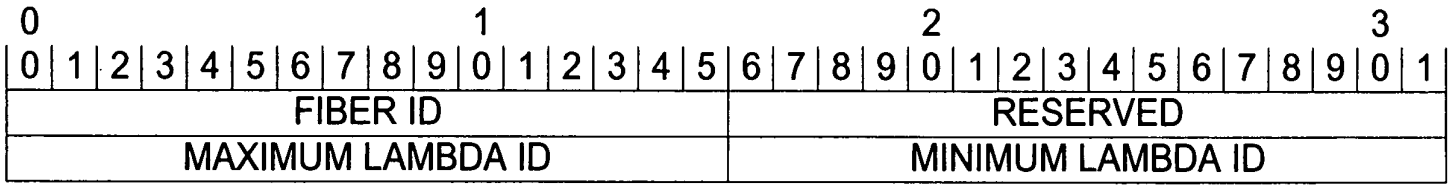

FIG. 13